

A15

3:115

c.2

NORTH CAROLINA

North Carolina State Library
Raleigh

Apple and Peach

N. C.
Doc.

Tree Survey



COMMERCIAL ORCHARDS

NORTH CAROLINA CROP REPORTING SERVICE

N. C. Dept. Agriculture and U. S. Dept. Agriculture

Raleigh, N. C.

December 1966

TABLE OF CONTENTS

	Page
ACKNOWLEDGEMENT AND INTRODUCTION.....	2
SUMMARY OF APPLE SURVEY.....	3
COMMERCIAL APPLE ORCHARDS, 1964, NORTH CAROLINA.....	1-10
Acres, Trees and Production By Counties.....	4
Trees, Yield Per Tree and Production By Varieties.....	5
Size Groups, By Counties.....	6
Numbers, Acres and Trees, By Counties.....	7
Number Of Trees By Age and Counties.....	8
Number Of Trees By Age, Varieties and Intentions.....	9
Disposition.....	10
NUMBER OF TREES, BY AGE AND VARIETIES, BY COUNTIES.....	11-15
Henderson and Haywood.....	11
Alexander, Wilkes and Ashe.....	12
Watauga, Avery and Mitchell.....	13
Lincoln, Cleveland and Rutherford.....	14
McDowell, Polk and Macon.....	15
APPLES: PRODUCTION, PRICE AND VALUE 1934-1965.....	21
SUMMARY OF PEACH SURVEY.....	16
COMMERCIAL PEACH ORCHARDS, 1964, NORTH CAROLINA.....	17-21
Acres, Trees and Production By Counties, 1963-1964.....	17
Trees, Yield Per Tree and Production, By Varieties.....	17
Size Groups, By Counties.....	18
Number Of Trees, By Age and Counties.....	18
Number Of Trees By Age and Varieties.....	19
Percentage Of Trees, By Age and Varieties.....	19
Size Groups, Numbers, Trees and Production.....	20
Other Minor Varieties.....	20
PEACHES: PRODUCTION, PRICE AND VALUE 1899-1965.....	21
SOUTH CAROLINA PEACH ORCHARD SURVEY, 1964.....	22
VIRGINIA APPLE AND PEACH ORCHARD SURVEY, 1963.....	23
GEORGIA PEACH ORCHARD SURVEY, 1965.....	24
NORTH CAROLINA SURVEY SCHEDULES.....	Inside Back Cover

NORTH CAROLINA AGRICULTURAL STATISTICS

FEDERAL-STATE CROP REPORTING SERVICE - RALEIGH

UNITED STATES DEPARTMENT OF AGRICULTURE

Statistical Reporting Service

Harry C. Trelogan, Administrator

Glenn D. Simpson, Deputy Administrator

NORTH CAROLINA DEPARTMENT OF AGRICULTURE

Division Of Agricultural Statistics

James A. Graham, Commissioner

John L. Reitzel, Assistant Commissioner

Cooperating

Henry L. Rasor, Agricultural Statistician-in-Charge

1966

N. C. APPLE AND PEACH TREE SURVEY

NUMBER 115

AGRICULTURAL STATISTICIANS

T. W. Brand, Jr.

G. Douglas Hicks

Danny M. Kesler

Wayne S. Leary

Donald C. Ledford

William L. Pollard

Robert H. Tilley

Olaf Wakefield

Harry A. White

ASSISTANTS

Catherine L. Haig

Statistical

William B. Harris

Farm Census Supervisor

Martha R. Stone

Administrative

FOREWORD

Prepared By Robert H. Tilley, *Agricultural Statistician*

The 1964 apple and peach tree surveys were designed to provide a new bench mark for appraising the present and projecting the future in the fruit industry of North Carolina. No similar survey had been undertaken in the State since 1954, and there had been many changes in fruit production during the intervening years. The surveys were made at the request of the North Carolina Apple Growers Association and the North Carolina Peach Growers Association. They were also designed to fill the needs of marketing specialists and handlers of fruits for planning current and future operations. Commercial peach orchardists were surveyed after completion of harvest in the fall of 1964, while apple orchardists were surveyed early in 1965.

The two separate surveys were made possible through the use of Agricultural Marketing Administration funds matched by State funds available to the Statistics Division of the Department of Agriculture.

Inquiries were mailed to all known commercial producers of apples and peaches, and those who did not respond to either the first, second, or third request by mail were contacted by personal interview. The surveys disclosed a total of 961 commercial orchards in the State -- 742 apple orchards and 219 peach orchards. Reports were received by mail from approximately 450 of these orchardists with the remainder received through personal interview.

For the purpose of these surveys, a commercial orchard is described as an orchard with 100 or more apple or peach trees main-

tained for production of fruit. Lists of commercial growers were compiled through records already available in the Statistics Division and from additional names supplied by the County Extension Chairmen in each county of the state. Interviews of non-respondents to the mailed inquiry were made: (1) by statisticians of the Statistics Division, (2) by special enumerators employed on a part-time basis, and (3) by personnel in the offices of the County Extension Chairmen.

Orchardists were asked to provide detailed information about the number of trees by varieties and by ages with 1964 production of fruit reported by varieties. Since the 1964 peach crop had been severely damaged by late spring freezes, peach growers were asked also to report 1963 production by varieties.

Because of the recent interest in the planting of dwarf and semi-dwarf apple trees, separate information was collected on these trees. Although production of apples from dwarfing varieties had not reached appreciable proportions by the time the surveys were conducted, plantings of such trees during the years immediately preceding the surveys has been fairly heavy.

Particular appreciation is expressed to the 961 commercial apple and peach growers for their cooperation in furnishing information about their orchards. Special acknowledgment is due also to Extension horticulturists at North Carolina State University for their assistance in designing the questionnaire forms and in the selection of varieties to be included on the inquiries.

ACKNOWLEDGEMENT

Special acknowledgement is extended to Mr. M. H. Kolbe, Franklin E. Correll and M. E. Gardner of The Horticulture Department, N. C. State University and County Extension Chairmen and Agents in Commercial Apple and Peach producing counties.

This publication brings the 1954 survey

of apple and peach orchards up to date. The clerical work was supervised by Catherine Haig and the data were assembled by Martha Early and Winifred Karangelen, Vari-typing by Evelyn Finch and duplicating by Raymond Alford and Charles Cross.

NORTH CAROLINA COMMERCIAL APPLE ORCHARD SURVEY

Summary

NUMBER OF ORCHARDS AND ACRES

In the survey of North Carolina apple orchards, a commercial orchard was defined as an orchard with 100 or more trees maintained for production. There were 742 commercial orchards reported in the survey. Separate tabulations are given in the tables for the 19 most important counties. Henderson county reported the largest number of orchards with 342 and the next largest was Wilkes with 48 orchards.

A total of 15,806 acres of land was used for apple orchards in North Carolina. Of this total, 14,130 acres were in Mountain Counties and 1,676 acres were in Piedmont and Coastal Counties. Henderson County had the largest acreage in commercial orchards with 7,671 acres and Wilkes was second with 1,723 acres. Haywood County was third with 1,177 acres and the acreage in the remaining counties as shown separately on the tables to follow, ranged from 95 to just above 600. The total acreage devoted to apple orchards in 1954 was 20,360 and this compares with 15,806 acres in 1964, a decrease of 22%.

NUMBER AND AGE OF TREES

There were 817,185 trees reported in the survey of commercial apple orchards and 455,053, or 55.7 percent of these were trees of bearing age. Bearing trees were defined as all trees on standard rootstocks eight years old and over and size controlled trees (dwarfing rootstock and/or spur types) 4 years and over. Non-bearing trees 1 year old totaled 125,016, or 15.3 percent of the total; trees 2 to 3 years old totaled 134,409 or 16.4 percent; and trees 4 to 5 years old totaled 103,790 or 12.7 percent.

Henderson County with 388,254 apple trees of all ages led all counties and accounted for 47.5 percent of the total trees in commercial apple orchards in the State. Other principal counties in order of importance by number of trees were: Wilkes with 76,642; Haywood with 56,266; Mitchell with 37,678; and Alexander 34,237. A large portion of the trees from one to four years of age were Red or Yellow Delicious Spur type trees. The Spur type Red and Yellow Delicious trees accounted for 39 percent of all non-bearing trees.

VARIETIES

The strains of Red Delicious are by far the most

popular of all the varieties grown in North Carolina. Red Delicious strains accounted for 394,942 trees or 48 percent of all trees. Yellow Delicious was second with 131,299 trees; Rome Beauty was third with 131,184 trees; Stayman was fourth with 82,178 trees; and Limbertwig was fifth with 10,222 trees. The variety table includes 19 other minor varieties. Most of these are disappearing rapidly and they are being replaced with the very popular Spur type Red and Yellow Delicious. If recent trends continue, we will have only four major commercial varieties grown in North Carolina within a few years, and they will be Red and Yellow Delicious, Rome Beauty, and Stayman.

PRODUCTION 1964

The survey was designed to obtain apple production by varieties for the 1964 crop. Production in 1964 from the 742 commercial orchards totaled 1,794,192 bushels for an average of 3.94 bushels per tree of bearing age. Adverse weather at polination time for the Red Delicious caused a very poor set of fruit in 1964. Production by varieties in bushels was Rome Beauty 625,390; Red Delicious 416,857; Yellow Delicious 294,062; Stayman 223,356 and Limbertwig 40,245. A large number of Spur type Red and Yellow Delicious are now coming into production and production from these varieties will predominate in the near future.

FUTURE PRODUCTION TRENDS

The commercial production of apples in North Carolina is expected to continue on an upward trend for many years. Growers are pulling out old and unprofitable varieties at a rapid rate and replacing them mostly with Spur type trees which come into production after 4 or 5 growing seasons. A large portion of the trees set in the past 3 years were Spur type Red and Yellow Delicious. Plantings of these strains are expected to continue at a rapid pace. Growers with some of the older Spur type trees have been extremely well pleased with the quality and quantity of fruit produced.

COMMERCIAL APPLE ORCHARDS: ACRES, TREES AND PRODUCTION BY COUNTIES, 1964, NORTH CAROLINA

COUNTIES AND AREAS	Number Of Commercial Orchards 1/	Acres In Commercial Orchards	Total Number Trees Of All Ages	Number Of Trees Non-Bearing Age 2/	Number Of Trees Of Bearing Age 3/	1964 Production Bushel 4/	Production Per Tree Of Bearing Age Bushel 4/
<u>MOUNTAIN COUNTIES</u>							
Ashe.....	9	135	12,324	11,392	932	5,028	5.39
Avery.....	20	450	24,315	11,094	13,221	108,541	8.21
Buncombe.....	14	141	7,585	2,116	5,469	17,014	3.11
Burke.....	10	138	8,020	6,769	1,251	7,116	5.69
Haywood.....	45	1,177	56,266	20,751	35,515	281,746	7.93
Henderson.....	342	7,671	388,254	155,960	232,294	835,489	3.60
McDowell.....	8	269	21,410	15,715	5,695	22,711	3.99
Macon.....	14	290	19,381	11,331	8,050	22,725	2.82
Mitchell.....	41	612	37,678	19,669	18,009	74,588	4.14
Polk.....	28	394	17,895	9,121	8,774	15,887	1.81
Rutherford.....	6	168	7,055	5,960	1,095	3,792	3.46
Watauga.....	7	306	15,212	4,788	10,424	53,296	5.11
Wilkes.....	48	1,723	76,642	29,830	46,812	77,898	1.66
Yancey.....	14	184	8,401	1,311	7,090	27,323	3.85
Other Mountain Counties....	16	472	17,409	3,719	13,690	46,882	3.42
TOTAL MOUNTAIN COUNTIES....	622	14,130	717,847	309,526	408,321	1,600,036	3.92
<u>PIEDMONT COUNTIES</u>							
Alexander.....	36	567	34,237	10,585	23,652	90,280	3.82
Catawba.....	8	95	4,410	1,152	3,258	7,555	2.32
Cleveland.....	16	220	12,911	8,073	4,838	37,045	7.66
Lincoln.....	30	360	22,549	17,761	4,788	13,285	2.77
Stokes.....	6	109	8,454	5,605	2,849	26,200	9.20
Other Piedmont Counties....	14	223	8,607	3,446	5,161	10,385	2.01
TOTAL PIEDMONT COUNTIES....	110	1,574	91,168	46,622	44,546	184,750	4.15
ALL COASTAL PLAINS COUNTIES	10	102	8,170	5,984	2,186	9,406	4.30
STATE TOTAL.....	742	15,806	817,185	362,132	455,053	1,794,192	3.94

1/ Orchards with 100 or more trees of all ages maintained for production.

2/ Standard trees less than 8 years of age; size controlled trees (dwarfing rootstock and/or spur types) less than 4 years of age.

3/ Standard trees 8 years old and over; size controlled trees (dwarfing rootstocks and/or spur types) 4 years and over.

4/ Includes small quantities produced from trees classified as non-bearing age.

NUMBER OF COMMERCIAL ORCHARDS

For use in this survey a commercial orchard was defined as any orchard with one hundred or more trees maintained for production. A total of 742 commercial orchards were reported for the State. There were 622 orchards located in the Mountain Counties, 110 in the Piedmont Counties, and 10 in the Coastal Counties. Henderson county had the largest number of orchards with a total of 342, Wilkes was second with 48, Haywood third with 45, Mitchell fourth with 41 and Alexander

fifth with 36. These five counties had a total of 512 orchards or 69 percent of the State total.

North Carolina had a total of 15,806 acres in commercial apple orchards in 1964 and this is 4,554 acres below the 20,360 acres reported in the 1954 survey. The counties showing the largest decline in number of acres were Alexander and Buncombe while smaller declines were reported for Yancey, Henderson, Wilkes and Haywood.

COMMERCIAL APPLE ORCHARDS: TREES, YIELD PER TREE AND PRODUCTION BY VARIETIES, 1964, NORTH CAROLINA

VARIETIES	Number Of Trees Of All Ages	Number Of Trees Non-Bearing Age	Number Of Trees Of Bearing Age	Quantity Of Apples Harvested 1964	Production Per Tree Bushels L/
Yellow Transparent.....	980	130	850	2,894	3.40
Lodi.....	989	424	565	2,597	4.60
Williams Early Red.....	1,572	1,069	503	2,013	4.00
Red June.....	719	166	553	1,035	1.87
Summer Champion.....	873	386	487	5,697	11.70
Horse.....	334	36	298	602	2.02
Bonum.....	2,562	166	2,396	5,427	2.27
Hoover.....	1,747	133	1,614	8,513	5.27
Wolf River.....	5,157	519	4,638	7,954	1.71
Grimes Golden.....	5,589	749	4,840	32,304	6.70
Jonathan Red Strains.....	6,669	3,624	3,045	17,003	5.58
Jonathan Regular.....	2,370	462	1,908	13,139	6.89
Red Gold.....	5,374	2,359	3,015	14,252	4.73
Delicious Starkrimson Spur.	140,842	83,656	57,186	32,308	.56
Delicious Other Spur.....	28,729	19,676	9,053	9,395	1.04
Delicious Other Red Strains	184,449	91,935	92,514	247,533	2.68
Delicious Regular.....	40,922	5,476	35,446	127,621	3.60
Yellow Delicious Spur.....	40,376	37,943	2,433	2,307	.95
Yellow Delicious Regular...	90,923	43,584	47,339	291,755	6.16
Stayman Red Strains.....	56,270	15,893	40,377	151,309	3.75
Stayman Regular.....	25,908	1,505	24,403	72,047	2.95
Turley.....	1,301	81	1,220	3,999	3.28
York, Red Strain.....	1,274	439	835	1,874	2.24
York, Regular.....	2,077	92	1,985	5,067	2.55
Winesap.....	6,968	1,202	5,766	17,728	3.07
King Lusciuous.....	2,110	1,524	586	4,514	7.70
Rome Beauty, Red Strains...	104,832	42,809	62,023	485,722	7.83
Rome Beauty, Regular.....	26,352	2,332	24,020	139,668	5.81
Ben Davis.....	2,239	6	2,233	11,172	5.00
Black Twig.....	3,113	26	3,087	9,033	2.93
Limbertwig.....	10,222	190	10,032	27,465	2.74
Other.....	13,343	3,540	9,803	40,245	4.11
TOTAL ALL.....	817,185	362,132	455,053	1,794,192	3.94

L/ Includes small quantities of fruit produced from trees classified as of non-bearing age.

APPLE VARIETIES

The number of varieties of apples grown for commercial market in North Carolina continues to decline. Four varieties now account for ninety percent of the trees in commercial orchards. These four are Red Delicious 48 percent of all trees; Yellow Delicious 16 percent; Rome Beauty 16 percent and Stayman 10 percent. The next most important variety was Limbertwig with a little over one percent.

The names of the twenty-three most important varieties in North Carolina are given above. Many of these are old varieties used for home use and local sales and they continue to decline in number of trees. The commercial early maturing varieties also are continuing to show a downward trend. The late maturing varieties are disappearing. Only a very few young trees in this category have been set in recent years.

COMMERCIAL APPLE ORCHARDS: SIZE GROUPS, BY COUNTIES, 1964, NORTH CAROLINA

COUNTIES AND AREAS	Total Number Orchards	NUMBER OF ORCHARDS BY SIZE GROUPS						
		100 To 199 Trees	200 To 499 Trees	500 To 999 Trees	1000 To 2499 Trees	2500 To 4999 Trees	5000 To 9999 Trees	10000 Trees and Over
<u>MOUNTAIN COUNTIES</u>								
Ashe.....	9	1	3	-	3	2	-	-
Avery.....	20	3	7	4	4	1	1	-
Buncombe.....	14	2	7	3	2	-	-	-
Burke.....	10	3	3	3	-	1	-	-
Haywood.....	45	13	12	12	3	2	2	1
Henderson.....	342	40	93	89	89	22	7	2
McDowell.....	8	1	3	2	-	1	-	1
Macon.....	14	1	4	3	2	4	-	-
Mitchell.....	41	7	8	13	12	-	1	-
Polk.....	28	1	13	9	5	-	-	-
Rutherford.....	6	-	-	1	5	-	-	-
Watauga.....	7	1	2	1	1	1	1	-
Wilkes.....	48	5	9	10	17	5	1	1
Yancey.....	14	3	5	3	3	-	-	-
Other Mountain Counties....	16	3	5	4	3	-	1	-
TOTAL MOUNTAIN COUNTIES....	622	84	174	157	149	39	14	5
<u>PIEDMONT COUNTIES</u>								
Alexander.....	36	8	8	9	10	-	1	-
Catawba.....	8	4	1	-	3	-	-	-
Cleveland.....	16	2	2	8	3	1	-	-
Lincoln.....	30	5	13	8	3	-	1	-
Stokes.....	6	-	1	1	3	1	-	-
Other Piedmont Counties....	14	3	4	6	-	1	-	-
TOTAL PIEDMONT COUNTIES....	110	22	29	32	22	3	2	-
ALL COASTAL PLAINS COUNTIES	10	3	3	2	1	1	-	-
STATE TOTAL.....	742	109	206	191	172	43	16	5

BEARING AND NON-BEARING TREES

Non-bearing trees for this survey included all standard rootstock trees less than eight years of age and size controlled trees (dwarfing rootstock and/or Spur types) less than four years of age. On this basis there were a total of 362,132 trees classified as non-bearing or 44 percent of the total, and 455,053 or 56 percent as bearing age trees. In the non-bearing age

group 344,809 trees or 95 percent of the total were trees of the four leading varieties, Red Delicious, Yellow Delicious, Rome Beauty and Stayman. A further analysis shows that 82 percent of these are planted to Red and Yellow Delicious. In the one year old trees 89 percent of the total was either red or yellow Delicious.

COMMERCIAL APPLE ORCHARDS: NUMBERS, ACRES AND TREES, BY COUNTIES, 1964, NORTH CAROLINA

COUNTIES AND AREAS	Number Of Orchards	Acres In Orchards	Number Of Trees Of All Ages	Average Number Of Trees Per Acre
<u>MOUNTAIN COUNTIES</u>				
Ashe.....	9	135	12,324	91
Avery.....	20	450	24,315	54
Buncombe.....	14	141	7,585	54
Burke.....	10	138	8,020	58
Haywood.....	45	1,177	56,266	48
Henderson.....	342	7,671	388,254	51
McDowell.....	8	269	21,410	80
Macon.....	14	290	19,381	67
Mitchell.....	41	612	37,678	62
Polk.....	28	394	17,895	45
Rutherford.....	6	168	7,055	42
Watauga.....	7	306	15,212	50
Wilkes.....	48	1,723	76,642	44
Yancey.....	14	184	8,401	46
Other Mountain Counties....	16	472	17,409	37
TOTAL MOUNTAIN COUNTIES....	622	14,130	717,847	51
<u>PIEDMONT COUNTIES</u>				
Alexander.....	36	567	34,237	60
Catawba.....	8	95	4,410	46
Cleveland.....	16	220	12,911	59
Lincoln.....	30	360	22,549	63
Stokes.....	6	109	8,454	78
Other Piedmont Counties....	14	223	8,607	39
TOTAL PIEDMONT COUNTIES....	110	1,574	91,168	58
ALL COASTAL PLAIN COUNTIES.	10	102	8,170	80
STATE TOTAL.....	742	15,806	817,185	52

ACRES AND NUMBER OF TREES

Henderson county has 7,671 acres, the largest in the State, and about 49 percent of the total acres. Wilkes is second with 1,723 acres or 11 percent of the total and Haywood is third with 1,177 acres and a little over 7 percent of the State total.

Counties that have had large increases in acres of apple trees are Avery, Mitchell, Watauga, Lincoln and Rutherford. The acreage in most of these counties is about double that reported in 1954.

A total of 817,185 trees were reported in the survey. The mountain counties had 717,847 trees or 88 percent of the State total. Piedmont Counties reported 91,168 trees or 11 percent, and the Coastal Counties had 8,170 or about 1 percent. Counties with the largest number of trees were as follows: Henderson, Wilkes, Haywood, Mitchell, Alexander. The percent of the total by counties was as follows: Henderson 48, Wilkes 9, Haywood 7, Mitchell 5, and Alexander 4.

COMMERCIAL APPLE ORCHARDS: NUMBER OF TREES BY AGE AND COUNTIES, 1964, NORTH CAROLINA

COUNTIES AND AREAS	1 Year Old	2 To 3 Years Old	4 To 5 Years Old	6 To 7 Years Old	8 To 15 Years Old	16 To 25 Years Old	26 Years and Over	Total All Ages	Quantity Of Apples Harvested 1964	INTENTIONS	
	1964	1962-63	1960-61	1958-59	1950-57	1940-49	1939 & Earlier			Trees To Be Planted In 1965	Trees To Be Removed Prior To 1965
MOUNTAIN COUNTIES											
Ashe.....	9,658	1,689	261	36	143	410	127	12,324	5,028	1,730	3
Avery.....	1,480	2,225	4,318	6,343	4,196	1,759	3,994	24,315	108,541	2,025	18
Buncombe.....	439	1,390	518	44	2,630	486	2,078	7,585	17,014	581	-
Burke.....	5,549	633	450	506	432	218	232	8,020	7,116	4,518	-
Haywood.....	3,557	6,286	7,989	6,898	13,943	5,529	12,064	56,266	281,746	1,242	650
Henderson.....	34,416	61,442	60,670	38,633	60,496	93,911	38,686	388,254	835,489	16,274	920
McDowell.....	7,688	7,414	472	361	1,075	3,400	1,000	21,410	22,711	-	100
Macon.....	3,520	6,328	2,700	1,160	1,546	2,554	1,573	19,381	22,725	-	-
Mitchell.....	8,342	7,143	7,829	2,987	4,873	3,933	2,571	37,678	74,588	1,900	335
Polk.....	3,457	4,318	1,235	674	4,701	2,733	777	17,895	15,887	500	-
Rutherford.....	2,960	2,700	310	250	835	-	-	7,055	3,792	3,800	-
Watauga.....	1,000	1,288	2,300	800	4,529	4,637	658	15,212	53,296	75	-
Wilkes.....	11,884	13,903	7,280	2,110	9,909	9,705	21,851	76,642	77,898	3,235	1,312
Yancey.....	583	615	495	279	3,049	1,935	1,445	8,401	27,323	100	50
Other Mountain Counties....	804	228	1,056	5,131	2,405	3,111	4,674	17,409	46,882	875	2
TOTAL MOUNTAIN COUNTIES....	95,337	117,602	97,883	66,212	114,762	134,321	91,730	717,847	1,600,036	36,855	3,390
PIEDMONT COUNTIES											
Alexander.....	3,656	6,694	685	10	4,277	11,963	6,952	34,237	90,280	2,638	265
Catawba.....	300	586	406	347	1,554	1,217	-	4,410	7,555	2,722	118
Cleveland.....	2,235	4,543	1,060	1,180	2,481	1,267	145	12,911	37,045	1,230	-
Lincoln.....	14,115	2,644	1,055	342	1,529	2,864	-	22,549	13,285	5,555	-
Stokes.....	4,935	185	375	210	1,758	866	125	8,454	26,200	-	-
Other Piedmont Counties....	2,355	50	121	980	1,921	2,252	928	8,607	10,385	175	30
TOTAL PIEDMONT COUNTIES....	27,596	14,702	3,702	3,069	13,520	20,429	8,150	91,168	184,750	12,320	413
ALL COASTAL PLAIN COUNTIES.	2,083	2,105	2,205	601	1,041	20	115	8,170	9,406	200	-
TOTAL ALL //.....	125,016	134,409	103,790	69,882	129,323	154,770	99,995	817,185	1,794,192	49,375	3,803
Trees On Dwarfing Rootstock	7,538	3,799	3,997	1,338	-	-	-	16,672	556	5,345	-

// Includes trees on dwarfing rootstock.

PRODUCTION

Growers reported 1,794,192 bushels of apples harvested from the 1964 crop with an average of 3.94 bushels per tree of bearing age. The percent full crop by varieties varied greatly in 1964. Some sections had almost a crop failure, due to late spring freezes, while others had near a full crop. Most

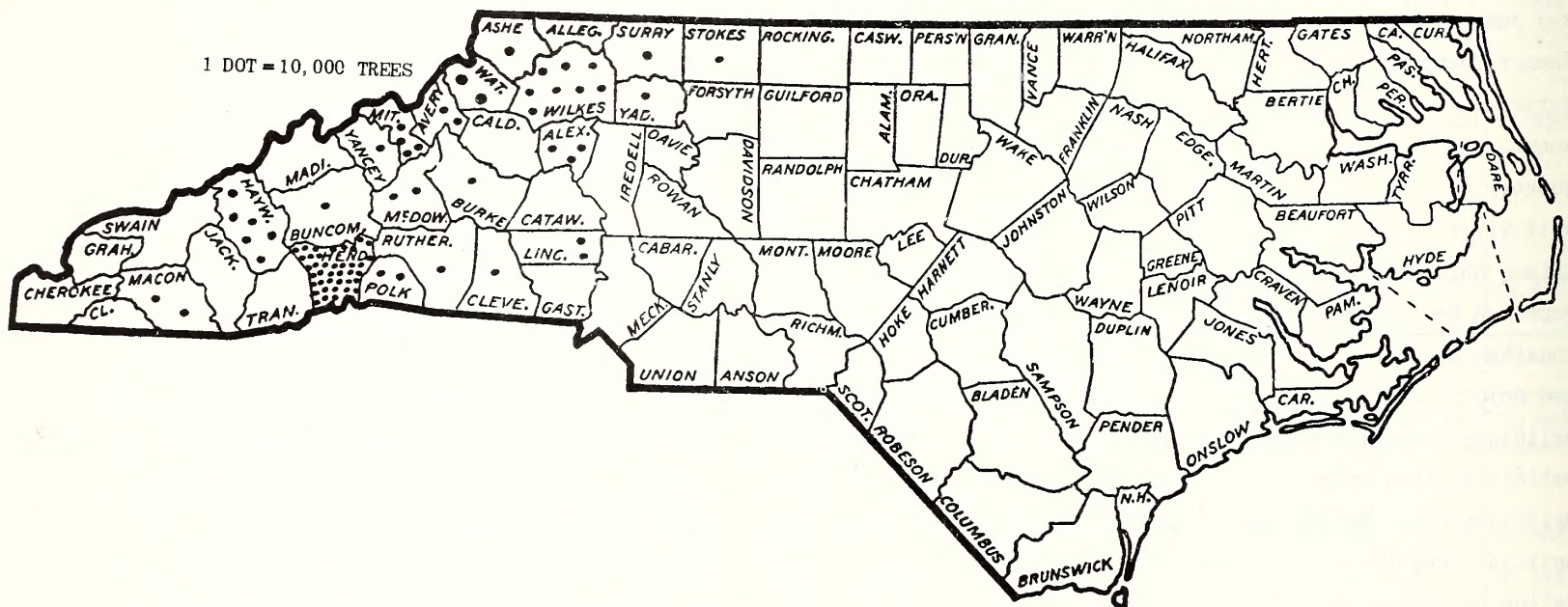
orchards in the Wilkes County area located on high elevations had a failure while the few orchards in the lower valleys had a good crop. In Henderson County most growers had a very light crop of Red Delicious, Yellow Delicious and Stayman while practically every orchard had a full crop on the Rome Beauty variety.

**COMMERCIAL APPLE ORCHARDS: NUMBER OF TREES BY AGE,
VARIETIES AND INTENTIONS, 1964, NORTH CAROLINA**

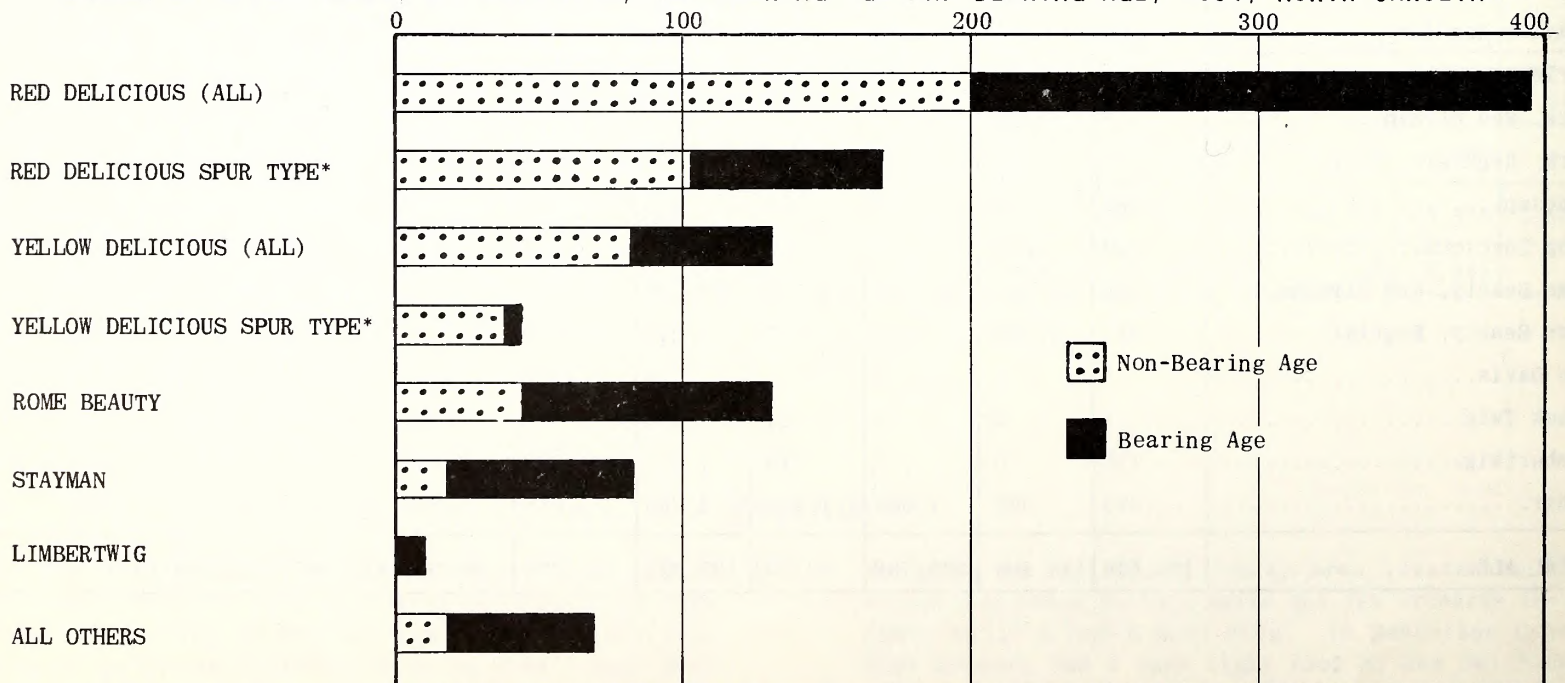
VARIETIES	1 Year Old	2 To 3 Years Old	4 To 5 Years Old	6 To 7 Years Old	8 To 15 Years Old	16 To 25 Years Old	26 Years and Over	Total All Ages	Total Trees Of Bearing Age	INTENTIONS	
	1964	1962-63	1960-61	1958-59	1950-57	1940-49	1939 & Earlier			Trees To Be Planted In 1965	Trees To Be Removed Prior To 1965
Yellow Transparent.....	18	15	8	89	248	367	235	980	850	34	23
Lodi.....	12	19	186	207	313	243	9	989	565	76	-
Williams Early Red.....	5	382	50	632	237	228	38	1,572	503	17	12
Red June.....	13	31	95	27	91	318	144	719	553	5	22
Summer Champion.....	31	-	119	236	257	197	33	873	487	239	-
Horse.....	-	-	5	31	23	36	239	334	298	-	1
Bonum.....	100	20	-	46	175	657	1,564	2,562	2,396	5	15
Hoover.....	20	40	-	73	472	580	562	1,747	1,614	100	2
Wolf River.....	41	170	76	232	1,424	2,546	668	5,157	4,638	-	-
Grimes Golden.....	23	215	338	173	891	2,118	1,831	5,589	4,840	5	49
Jonathan Red Strains.....	656	433	1,256	1,526	1,684	924	190	6,669	3,045	91	227
Jonathan Regular.....	20	61	337	44	400	327	1,181	2,370	1,908	11	4
Red Gold.....	109	749	232	1,269	1,684	1,283	48	5,374	3,015	211	-
Delicious Starkrimson Spur..	39,140	44,516	39,026	16,451	1,709	-	-	140,842	57,186	13,405	102
Delicious Other Spur.....	11,897	7,679	5,307	1,237	2,609	-	-	28,729	9,053	4,441	4
Delicious Other Red Strains.	22,925	28,455	24,759	18,833	33,789	43,119	12,569	184,449	92,514	5,575	93
Delicious Regular.....	233	963	1,433	2,347	8,394	11,775	15,277	40,922	35,446	730	369
Yellow Delicious Spur.....	23,547	14,396	2,433	-	-	-	-	40,376	2,433	11,826	3
Yellow Delicious Regular....	13,378	12,899	7,782	10,010	17,883	18,813	10,158	90,923	47,339	3,016	267
Stayman Red Strains.....	4,154	4,324	4,422	3,864	16,183	18,795	4,528	56,270	40,377	2,307	99
Stayman Regular.....	78	245	335	847	2,979	8,102	13,322	25,908	24,403	145	106
Turley.....	-	30	41	10	954	252	14	1,301	1,220	75	-
York, Red Strain.....	-	124	85	230	373	200	262	1,274	835	1	-
York, Regular.....	-	54	38	-	95	126	1,764	2,077	1,985	25	102
Winesap.....	483	25	593	106	878	1,781	3,102	6,968	5,766	260	80
King Luscious.....	40	934	183	367	455	62	69	2,110	586	1,037	-
Rome Beauty, Red Strains....	6,468	15,563	12,741	8,572	28,207	27,034	6,247	104,832	62,023	4,862	249
Rome Beauty, Regular.....	582	1,092	221	437	3,274	9,985	10,761	26,352	24,020	310	197
Ben Davis.....	-	-	6	-	324	192	1,717	2,239	2,233	-	60
Black Twig.....	-	2	3	21	258	448	2,381	3,113	3,087	46	110
Limbertwig.....	110	10	-	70	1,275	1,227	7,530	10,222	10,032	10	1,527
Other.....	933	963	1,680	1,395	1,785	3,035	3,552	13,343	9,803	510	80
TOTAL ALL.....	125,016	134,409	103,790	69,882	129,323	154,770	99,995	817,185	455,053	49,375	3,803

COMMERCIAL APPLE DISPOSITION: 1964 CROP, NORTH CAROLINA

METHOD OF MARKETING	Bushels	Percent Of Crop
Apples sold for fresh market use: Graded and packed sales.....	906,446	51
Local Sales at Roadside stands and to truckers and packers.....	454,331	25
Apples sold for processing (canning, freezing, juice, cider, etc.).....	371,532	21
Apples used in Farm Household and given away.....	24,636	1
Harvested fruit not used or sold due to shrinkage, decay, cullage, etc..	37,247	2
TOTAL APPLES HARVESTED IN 1964.....	1,794,192	100
Sound fruit not harvested because of scarcity of labor or low prices....	19,245	-



NUMBER OF APPLE TREES, BY VARIETIES, NON-BEARING AGE AND BEARING AGE, 1964, NORTH CAROLINA



* Included in all for the variety.

COMMERCIAL APPLE ORCHARDS: NUMBER OF TREES, BY AGE AND VARIETIES, 1964, NORTH CAROLINA

HENDERSON COUNTY

VARIETIES	1 Year Old	2 To 3 Years Old	4 To 5 Years Old	6 To 7 Years Old	8 To 15 Years Old	16 To 25 Years Old	26 Years and Over	Total All Ages	Quantity Of Apples Harvested 1964
	1964	1962-63	1960-61	1958-59	1950-57	1940-49	1939 & Earlier		
Williams Early Red.....	-	10	45	403	201	144	32	835	1,290
Hoover.....	20	40	-	72	472	559	551	1,714	8,283
Wolf River.....	41	147	51	156	1,346	2,432	585	4,758	6,361
Grimes Golden.....	-	112	142	12	179	573	450	1,468	3,264
Jonathan.....	135	54	365	351	1,134	399	216	2,654	5,217
Red Gold.....	5	64	122	441	1,025	885	43	2,585	6,359
Red Delicious (Size Controlled)....	8,766	19,622	26,067	10,046	1,935	-	-	66,436	17,035
Red Delicious (Standard).....	9,453	15,241	16,791	12,202	19,274	35,914	14,119	122,994	169,562
Yellow Delicious (Size Controlled).	5,223	4,608	563	-	-	-	-	10,394	1,485
Yellow Delicious (Standard).....	4,748	5,532	4,000	4,547	4,558	7,965	3,635	34,985	69,717
Stayman.....	432	463	1,036	1,002	5,272	10,706	4,170	23,081	56,126
Winesap.....	-	-	-	2	193	170	398	763	1,043
King Luscious.....	30	464	181	217	128	62	54	1,136	2,445
Rome Beauty.....	5,334	14,041	10,869	7,880	23,493	31,837	12,198	105,652	463,566
Ben Davis.....	-	-	-	-	207	150	767	1,124	7,810
Other.....	121	379	208	399	1,079	2,115	1,468	5,769	15,600
TOTAL ALL.....	34,308	60,777	60,440	37,730	60,496	93,911	38,686	386,348	835,163

HAYWOOD COUNTY

VARIETIES	1 Year Old	2 To 3 Years Old	4 To 5 Years Old	6 To 7 Years Old	8 To 15 Years Old	16 To 25 Years Old	26 Years and Over	Total All Ages	Quantity Of Apples Harvested 1964
	1964	1962-63	1960-61	1958-59	1950-57	1940-49	1939 & Earlier		
Williams Early Red.....	3	300	-	67	13	60	-	443	540
Grimes Golden.....	-	75	67	67	387	617	884	2,097	21,597
Jonathan.....	40	-	150	314	469	42	12	1,027	8,041
Red Gold.....	40	235	19	300	313	22	-	929	3,890
Red Delicious (Size Controlled)....	140	734	465	425	444	-	-	2,208	210
Red Delicious (Standard).....	160	1,432	2,283	1,998	2,932	484	1,535	10,824	6,196
Yellow Delicious (Size Controlled).	432	225	-	-	-	-	-	657	-
Yellow Delicious (Standard).....	430	300	163	1,345	1,795	570	2,300	6,903	73,079
Stayman.....	111	652	386	761	3,024	1,107	1,943	7,984	21,587
York.....	-	-	85	80	52	1	529	747	1,179
Winesap.....	185	-	18	-	78	47	433	761	2,306
Rome Beauty.....	329	478	1,211	609	3,446	2,345	3,626	12,044	124,305
Other.....	107	140	263	722	990	234	802	3,258	18,766
TOTAL ALL.....	1,977	4,571	5,110	6,688	13,943	5,529	12,064	49,882	281,696

COMMERCIAL APPLE ORCHARDS: NUMBER OF TREES, BY AGE AND VARIETIES, 1964, NORTH CAROLINA

ALEXANDER COUNTY

VARIETIES	1 Year Old	2 To 3 Years Old	4 To 5 Years Old	6 To 7 Years Old	8 To 15 Years Old	16 To 25 Years Old	26 Years and Over	Total All Ages	Quantity Of Apples Harvested 1964
	1964	1962-63	1960-61	1958-59	1950-57	1940-49	1939 & Earlier		
Bonum.....	-	-	-	-	-	180	497	677	1,748
Red Delicious (Size Controlled)....	935	1,000	460	-	-	-	-	2,395	50
Red Delicious (Standard).....	1,000	2,650	100	-	2,150	4,515	1,952	12,367	28,571
Yellow Delicious (Size Controlled).	1,276	2,125	-	-	-	-	-	3,401	-
Yellow Delicious (Standard).....	170	100	-	-	836	1,768	593	3,467	17,624
Stayman.....	175	50	125	-	1,033	3,771	1,821	6,975	24,485
Winesap.....	100	-	-	-	105	149	249	603	1,998
Rome Beauty.....	-	700	-	-	30	-	2	732	252
Black Twig.....	-	-	-	-	25	209	642	876	3,965
Limbertwig.....	-	-	-	-	15	591	1,036	1,642	7,577
Other.....	-	69	-	10	83	780	160	1,102	4,010
TOTAL ALL.....	3,656	6,694	685	10	4,277	11,963	6,952	34,237	90,280

WILKES COUNTY

VARIETIES	1 Year Old	2 To 3 Years Old	4 To 5 Years Old	6 To 7 Years Old	8 To 15 Years Old	16 To 25 Years Old	26 Years and Over	Total All Ages	Quantity Of Apples Harvested 1964
	1964	1962-63	1960-61	1958-59	1950-57	1940-49	1939 & Earlier		
Bonum.....	100	20	-	6	40	342	875	1,383	2,894
Red Delicious (Size Controlled)....	4,685	6,969	5,107	115	15	-	-	16,891	345
Red Delicious (Standard).....	815	2,572	1,751	1,723	4,901	4,472	4,496	20,730	19,802
Yellow Delicious (Size Controlled).	2,357	995	100	-	-	-	-	3,452	5
Yellow Delicious (Standard).....	1,920	2,311	105	22	650	1,263	1,624	7,895	16,052
Stayman.....	1,425	868	90	168	1,943	2,421	4,461	11,376	13,662
Winesap.....	-	-	40	-	118	55	1,575	1,788	413
Rome Beauty.....	-	-	50	-	224	2	23	299	510
Black Twig.....	-	-	-	1	90	43	991	1,125	2,277
Limbertwig.....	100	10	-	30	1,235	552	6,195	8,122	18,427
Other.....	15	94	12	45	693	555	1,611	3,025	3,511
TOTAL ALL.....	11,417	13,839	7,255	2,110	9,909	9,705	21,851	76,086	77,898

ASHE COUNTY

VARIETIES	1 Year Old	2 To 3 Years Old	4 To 5 Years Old	6 To 7 Years Old	8 To 15 Years Old	16 To 25 Years Old	26 Years and Over	Total All Ages	Quantity Of Apples Harvested 1964
	1964	1962-63	1960-61	1958-59	1950-57	1940-49	1939 & Earlier		
Red Delicious (Size Controlled)....	1,835	388	-	-	3	-	-	2,226	9
Red Delicious (Standard).....	3,700	1,140	6	-	52	140	57	5,095	1,549
Yellow Delicious (Size Controlled).	1,414	93	-	-	-	-	-	1,507	-
Yellow Delicious (Standard).....	200	7	-	20	30	63	51	371	1,124
Stayman.....	5	3	5	15	25	36	5	94	680
Winesap.....	50	-	-	-	-	14	-	64	78
Rome Beauty.....	5	3	1	-	25	89	4	127	964
Other.....	25	25	2	1	8	68	10	139	624
TOTAL ALL.....	7,234	1,659	14	36	143	410	127	9,623	5,028

COMMERCIAL APPLE ORCHARDS: NUMBER OF TREES, BY AGE AND VARIETIES, 1964, NORTH CAROLINA

WATAUGA COUNTY

VARIETIES	1 Year Old	2 To 3 Years Old	4 To 5 Years Old	6 To 7 Years Old	8 To 15 Years Old	16 To 25 Years Old	26 Years and Over	Total All Ages	Quantity Of Apples Harvested 1964
	1964	1962-63	1960-61	1958-59	1950-57	1940-49	1939 & Earlier		
Red Delicious (Size Controlled)....	300	450	500	100	-	-	-	1,350	300
Red Delicious (Standard).....	100	130	100	100	670	799	118	2,017	9,190
Yellow Delicious (Size Controlled)..	-	-	-	-	-	-	-	-	-
Yellow Delicious (Standard).....	300	340	300	300	1,849	710	55	3,854	13,250
Stayman.....	200	225	800	200	1,213	1,857	113	4,608	16,810
Winesap.....	-	-	500	-	-	690	-	1,190	4,140
Rome Beauty.....	100	100	100	100	725	350	93	1,568	6,140
Other.....	-	3	-	-	72	231	279	585	3,466
TOTAL ALL.....	1,000	1,248	2,300	800	4,529	4,637	658	15,172	53,296

AVERY COUNTY

VARIETIES	1 Year Old	2 To 3 Years Old	4 To 5 Years Old	6 To 7 Years Old	8 To 15 Years Old	16 To 25 Years Old	26 Years and Over	Total All Ages	Quantity Of Apples Harvested 1964
	1964	1962-63	1960-61	1958-59	1950-57	1940-49	1939 & Earlier		
Grimes Golden.....	-	-	25	30	45	-	70	170	1,095
Jonathan.....	-	-	236	770	100	3	915	2,024	11,024
Red Gold.....	-	-	40	516	-	-	-	556	550
Red Delicious (Size Controlled)....	715	1,075	1,485	1,387	-	-	-	4,662	3,760
Red Delicious (Standard).....	300	750	932	1,775	2,355	525	1,105	7,742	43,138
Yellow Delicious (Size Controlled)..	340	85	50	-	-	-	-	475	2
Yellow Delicious (Standard).....	100	200	800	1,150	722	525	12	3,509	19,271
Stayman.....	-	30	50	648	560	507	1,453	3,248	21,869
York.....	-	-	25	-	12	15	350	402	2,195
Rome Beauty.....	25	-	25	2	265	15	80	412	3,125
Other.....	-	70	300	65	137	169	9	750	2,512
TOTAL ALL.....	1,480	2,210	3,968	6,343	4,196	1,759	3,994	23,950	108,541

MITCHELL COUNTY

VARIETIES	1 Year Old	2 To 3 Years Old	4 To 5 Years Old	6 To 7 Years Old	8 To 15 Years Old	16 To 25 Years Old	26 Years and Over	Total All Ages	Quantity Of Apples Harvested 1964
	1964	1962-63	1960-61	1958-59	1950-57	1940-49	1939 & Earlier		
Grimes Golden.....	10	-	-	-	21	125	9	165	565
Jonathan.....	153	230	639	10	26	208	41	1,307	2,115
Red Gold.....	-	500	10	-	53	-	5	568	578
Red Delicious (Size Controlled)....	5,010	4,215	5,180	1,322	-	-	-	15,727	6,035
Red Delicious (Standard).....	525	550	375	675	1,719	915	745	5,504	19,964
Yellow Delicious (Size Controlled)..	652	205	75	-	-	-	-	932	10
Yellow Delicious (Standard).....	190	365	900	65	832	419	180	2,951	10,293
Stayman.....	1,050	300	545	645	1,550	1,731	1,075	6,896	26,471
Rome Beauty.....	700	210	50	8	335	413	182	1,898	3,893
Other.....	2	8	-	262	337	122	334	1,065	4,629
TOTAL ALL.....	8,292	6,583	7,774	2,987	4,873	3,933	2,571	37,013	74,553

COMMERCIAL APPLE ORCHARDS: NUMBER OF TREES, BY AGE AND VARIETIES, 1964, NORTH CAROLINA

LINCOLN COUNTY

VARIETIES	1 Year Old	2 To 3 Years Old	4 To 5 Years Old	6 To 7 Years Old	8 To 15 Years Old	16 To 25 Years Old	26 Years and Over	Total All Ages	Quantity Of Apples Harvested 1964
	1964	1962-63	1960-61	1958-59	1950-57	1940-49	1939 & Earlier		
Grimes Golden.....	-	3	-	2	56	57	-	118	405
Red Delicious (Size Controlled)....	5,980	790	150	95	41	-	-	7,056	20
Red Delicious (Standard).....	2,330	525	450	100	446	835	-	4,686	3,450
Yellow Delicious (Size Controlled)....	2,475	745	150	-	-	-	-	3,370	350
Yellow Delicious (Standard).....	3,100	195	150	50	361	714	-	4,570	3,545
Stayman.....	10	380	90	15	272	671	-	1,438	3,285
Winesap.....	-	-	-	-	86	237	-	323	655
Other.....	70	6	65	80	267	350	-	838	1,575
TOTAL ALL.....	13,965	2,644	1,055	342	1,529	2,864	-	22,399	13,285

CLEVELAND COUNTY

VARIETIES	1 Year Old	2 To 3 Years Old	4 To 5 Years Old	6 To 7 Years Old	8 To 15 Years Old	16 To 25 Years Old	26 Years and Over	Total All Ages	Quantity Of Apples Harvested 1964
	1964	1962-63	1960-61	1958-59	1950-57	1940-49	1939 & Earlier		
Red Delicious (Size Controlled)....	1,270	1,985	350	580	-	-	-	4,185	3,150
Red Delicious (Standard).....	-	1,000	400	200	970	265	35	2,870	8,685
Yellow Delicious (Size Controlled)....	750	1,035	-	-	-	-	-	1,785	-
Yellow Delicious (Standard).....	-	517	165	310	1,100	610	81	2,783	21,305
Stayman.....	-	6	100	-	235	310	22	673	2,860
Other.....	215	-	30	90	176	82	7	600	1,035
TOTAL ALL.....	2,235	4,543	1,045	1,180	2,481	1,267	145	12,896	37,035

RUTHERFORD COUNTY

VARIETIES	1 Year Old	2 To 3 Years Old	4 To 5 Years Old	6 To 7 Years Old	8 To 15 Years Old	16 To 25 Years Old	26 Years and Over	Total All Ages	Quantity Of Apples Harvested 1964
	1964	1962-63	1960-61	1958-59	1950-57	1940-49	1939 & Earlier		
Red Gold.....	-	-	-	-	125	-	-	125	592
Red Delicious (Size Controlled)....	610	900	135	125	100	-	-	1,870	575
Red Delicious (Standard).....	150	1,000	50	50	360	-	-	1,610	1,425
Yellow Delicious (Size Controlled)....	2,200	800	-	-	-	-	-	3,000	-
Yellow Delicious (Standard).....	-	-	25	50	200	-	-	275	900
Stayman.....	-	-	100	25	50	-	-	175	300
TOTAL ALL.....	2,960	2,700	310	250	835	-	-	7,055	3,792

COMMERCIAL APPLE ORCHARDS: NUMBER OF TREES, BY AGE AND VARIETIES, 1964, NORTH CAROLINA

McDOWELL COUNTY

VARIETIES	1 Year Old	2 To 3 Years Old	4 To 5 Years Old	6 To 7 Years Old	8 To 15 Years Old	16 To 25 Years Old	26 Years and Over	Total All Ages	Quantity Of Apples Harvested 1964
	1964	1962-63	1960-61	1958-59	1950-57	1940-49	1939 & Earlier		
Jonathan.....	-	1	1	-	-	90	3	95	550
Red Delicious (Size Controlled)....	7,000	6,540	220	-	50	-	-	13,810	205
Red Delicious (Standard).....	2	104	213	104	570	945	435	2,373	9,065
Yellow Delicious (Size Controlled).	660	640	-	-	-	-	-	1,300	-
Yellow Delicious (Standard).....	-	100	34	150	140	960	233	1,617	6,130
Stayman.....	4	-	-	100	195	835	221	1,355	3,220
Rome Beauty.....	8	-	-	4	100	410	54	576	2,610
Other.....	14	4	4	3	20	160	54	259	921
TOTAL ALL.....	7,688	7,389	472	361	1,075	3,400	1,000	21,385	22,701

POLK COUNTY

VARIETIES	1 Year Old	2 To 3 Years Old	4 To 5 Years Old	6 To 7 Years Old	8 To 15 Years Old	16 To 25 Years Old	26 Years and Over	Total All Ages	Quantity Of Apples Harvested 1964
	1964	1962-63	1960-61	1958-59	1950-57	1940-49	1939 & Earlier		
Jonathan.....	-	1	38	20	162	15	-	236	100
Red Delicious (Size Controlled)....	1,152	710	424	99	140	-	-	2,525	143
Red Delicious (Standard).....	705	673	210	298	1,316	754	245	4,201	3,585
Yellow Delicious (Size Controlled).	-	225	40	-	-	-	-	265	-
Yellow Delicious (Standard).....	1,390	2,002	198	43	1,064	439	89	5,225	4,290
Stayman.....	110	117	165	100	774	754	151	2,171	3,460
Winesap.....	-	-	-	4	40	7	50	101	30
Rome Beauty.....	100	35	136	93	905	527	204	2,000	3,112
Other.....	-	555	24	17	300	237	38	1,171	1,167
TOTAL ALL.....	3,457	4,318	1,235	674	4,701	2,733	777	17,895	15,887

MACON COUNTY

VARIETIES	1 Year Old	2 To 3 Years Old	4 To 5 Years Old	6 To 7 Years Old	8 To 15 Years Old	16 To 25 Years Old	26 Years and Over	Total All Ages	Quantity Of Apples Harvested 1964
	1964	1962-63	1960-61	1958-59	1950-57	1940-49	1939 & Earlier		
Grimes Golden.....	-	12	-	-	50	160	50	272	600
Jonathan.....	-	-	-	-	66	100	-	166	650
Red Delicious (Size Controlled)....	2,550	5,115	1,915	80	-	-	-	9,660	425
Red Delicious (Standard).....	-	-	90	900	390	1,354	900	3,634	9,850
Yellow Delicious (Size Controlled).	780	600	300	-	-	-	-	1,680	150
Yellow Delicious (Standard).....	-	-	50	20	620	360	500	1,550	6,950
Stayman.....	190	360	140	60	315	360	50	1,475	2,200
Rome Beauty.....	-	115	100	60	85	50	70	480	725
Other.....	-	44	105	40	20	170	3	382	1,175
TOTAL ALL.....	3,520	6,246	2,700	1,160	1,546	2,554	1,573	19,299	22,725

NORTH CAROLINA COMMERCIAL PEACH ORCHARD SURVEY

Summary

NUMBER OF ORCHARDS AND ACRES

In the survey of North Carolina peach orchards, a commercial orchard was defined as an orchard with 100 or more trees maintained for production. A total of 219 commercial orchards was reported in the survey. Orchards with 1,000 to 2,499 trees were most popular and there were 51 of these. The next most popular size was 500 to 999 trees and a total of 49 was reported. There were 13 orchards in the State with more than 10,000 trees.

A total of 6,107 acres of land was reported in the 219 commercial peach orchards. Montgomery County with 1,895 acres in commercial peach orchards led all other counties; Moore County was second with 1,015 acres; and Richmond County was third with 931 acres.

NUMBER OF TREES

Peach trees reported in the survey for all commercial orchards totaled 572,700. In the Sandhills area Montgomery County had a total of 177,951 trees; Moore County 93,800 trees; and Richmond County had 92,440 trees. In the Southern Piedmont, Rutherford County reported 40,410 trees and Polk 28,900 trees. The number of trees in the Sandhills and Southern Piedmont Counties has continued on a downward trend.

AGE OF TREES

Of the 572,700 trees of all ages there were 480,894 trees or 84 percent of the total which were reported as trees of bearing age (4 years old and over). Trees 1 year old amounted to 50,022, or 8.7 percent of the total, while 41,784 trees or 7.3 percent were 2 or 3 years old. There were 23,338 trees in the 16 years and older category. The largest number of trees, 275,289 or 48 percent of the total, was in the 6 to 10 year age group.

VARIETIES

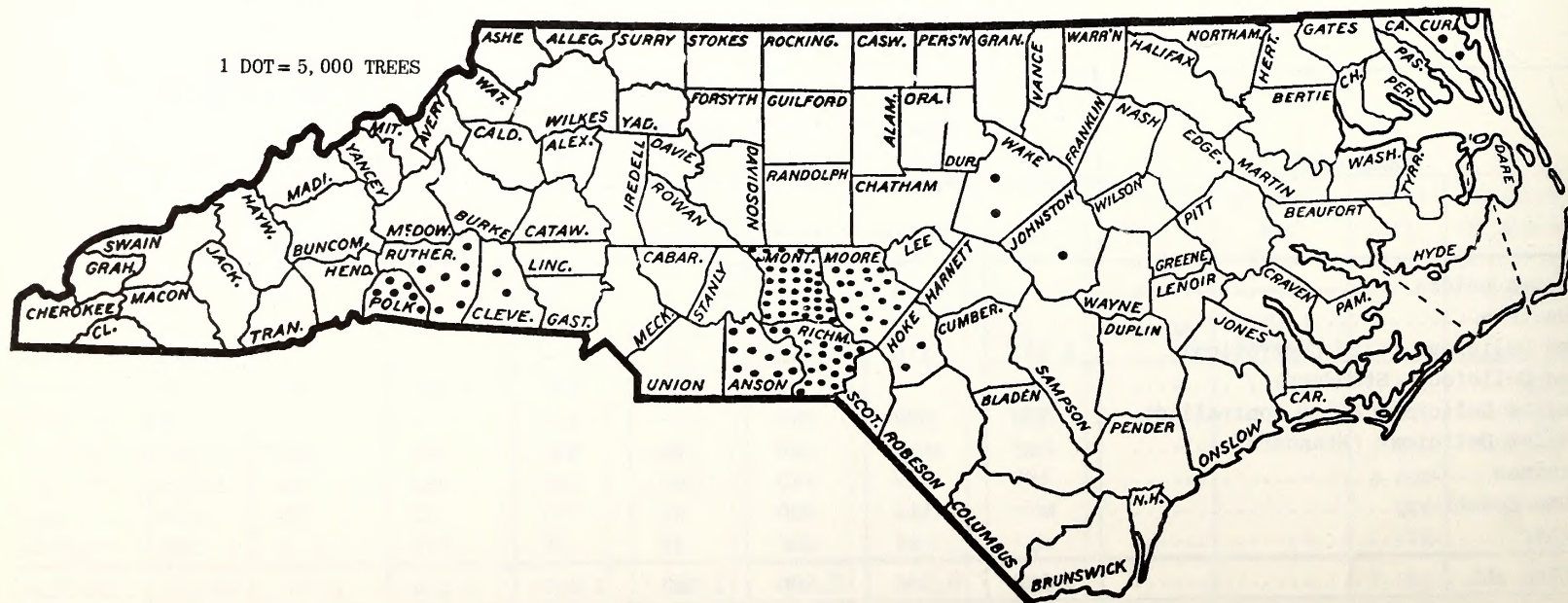
The Elberta variety continued as the leading variety of peaches grown in North Carolina. There were 60,808 trees of all ages reported as Elbertas and they accounted for 10.6 percent of all trees. Other leading varieties were Blake with 43,900; Cardinal with 37,867; Redhaven with 35,505; Southland with 35,386; and Dixireds with 33,515. The leading varieties in the non-bearing age bracket were Loring, Blake, and Redskin. Richmond County has the largest number of trees in the non-bearing age category while Montgomery and Moore take second and third places, respectively.

PRODUCTION 1963 AND 1964

Since the 1964 peach crop was severely damaged by a late spring freeze, the survey was designed to obtain information on production in 1963 as well as in 1964. Production of peaches in 1964 from these commercial orchards amounted to 124,257 bushels for an average of 0.26 bushels per tree of bearing age. Production in 1963 from these same orchards was reported at 769,750 bushels or 1.60 bushels per tree of bearing age. Production from Montgomery County in 1963 amounted to 247,757 bushels of peaches or 32 percent of the total commercial harvest. Moore County was second in production with 122,128 bushels in 1963 while Richmond was third with 116,985 bushels.

FUTURE PRODUCTION TRENDS

The number of commercial peach orchards in the Sandhills and in the Southern Piedmont Counties is expected to continue the downward trend of recent years. New plantings in recent years have not been sufficient to offset the large number of orchards going out of production.



COMMERCIAL PEACH ORCHARDS: ACRES, TREES AND PRODUCTION, BY COUNTIES, 1964, NORTH CAROLINA

COUNTIES AND AREAS	NumberOf Commercial Orchards 1/	Acres In Commercial Orchards	Total Number Trees Of All Ages	Average Number Trees Per Acre	NumberOf Trees Of Bearing Age 2/	Total Production, Bushel		Production Per Tree OfBearing Age, Bushel	
						1964	1963	1964	1963
MOUNTAIN COUNTIES									
Polk.....	16	300	28,900	96	25,400	42	64,275	-	2.53
Rutherford.....	19	410	40,410	99	38,510	4,625	58,850	.12	1.53
Other Mountain Counties....	12	81	6,775	84	5,975	2,290	7,600	.38	1.27
TOTAL MOUNTAIN COUNTIES....	47	791	76,385	96	69,885	6,957	130,725	.10	1.87
PIEDMONT COUNTIES									
Anson.....	5	570	51,715	91	38,495	23,797	39,025	.62	1.01
Montgomery.....	52	1,895	177,951	94	158,018	45,971	247,757	.29	1.57
Moore.....	20	1,015	93,800	92	80,400	2,075	122,128	.03	1.52
Richmond.....	10	931	92,440	99	71,540	18,729	116,985	.26	1.64
Other Piedmont Counties....	44	457	38,557	84	31,517	2,796	59,599	.09	1.89
TOTAL PIEDMONT COUNTIES....	131	4,868	454,463	93	379,970	93,368	585,494	.25	1.54
ALL COASTAL PLAINS COUNTIES	41	448	42,152	94	31,039	23,931	53,531	.77	1.72
STATE TOTAL.....	219	6,107	572,700	94	480,894	124,256	769,750	.26	1.60

1/ A commercial orchard is defined as an orchard with 100 or more trees maintained for production of peaches.

2/ Trees four years old and over.

COMMERCIAL PEACH ORCHARDS: TREES, YIELD PER TREE AND PRODUCTION, BY VARIETIES, 1964, NORTH CAROLINA

VARIETIES	Number Of Trees Of All Ages 1/	Number Of Trees Of Bearing Age 2/	Total Production, Bushel		Production Per Tree Of Bearing Age, Bushel	
			1964	1963	1964	1963
Elberta, Regular....	60,808	57,365	13,122	116,604	.23	2.03
Blake.....	43,900	26,587	14,147	40,755	.53	1.53
Cardinal.....	37,867	37,522	4,922	54,569	.13	1.45
Redhaven.....	35,505	31,946	5,846	43,133	.18	1.35
Southland.....	35,386	34,667	20,190	64,164	.58	1.85
Dixired.....	33,515	33,176	10,983	47,060	.33	1.42
Sunhigh.....	29,953	24,378	10,227	28,055	.42	1.15
Georgia Belle.....	28,936	25,381	5,211	51,788	.21	2.04
Key Stone.....	28,660	28,285	2,364	38,872	.08	1.37
Coronet.....	28,561	28,041	4,220	37,609	.15	1.34
Sullivan Elberta....	28,334	28,042	4,524	66,061	.16	2.36
Redskin.....	21,358	11,688	1,011	15,187	.09	1.30
Loring.....	18,839	4,057	40	1,681	.01	.41
Red Globe.....	15,631	11,631	1,679	4,736	.14	.41
Richaven.....	12,764	10,668	812	10,356	.08	.97
Triogem.....	12,407	12,397	6,055	21,136	.49	1.70
Dixigem.....	10,843	10,809	2,710	23,624	.25	2.19
Other.....	89,433	64,254	16,193	104,360	.25	1.62
TOTAL ALL.....	572,700	480,894	124,256	769,750	.26	1.60

1/ A commercial orchard is defined as an orchard with 100 or more trees maintained for production of peaches.

2/ Trees four years old and over.

COMMERCIAL PEACH ORCHARDS: SIZE GROUPS, BY COUNTIES, 1964, NORTH CAROLINA

COUNTIES AND AREAS	Total Number Orchards <i>L</i>	NUMBER OF ORCHARDS BY SIZE GROUPS							
		100 To 199 Trees	200 To 499 Trees	500 To 999 Trees	1000 To 2499 Trees	2500 To 4999 Trees	5000 To 9999 Trees	10000 To 19999 Trees	20,000 +
<u>MOUNTAIN COUNTIES</u>									
Polk.....	16	1	4	4	4	2	-	1	-
Rutherford.....	19	-	4	3	9	2	-	1	-
Other Mountain Counties....	12	4	3	4	1	-	-	-	-
TOTAL MOUNTAIN COUNTIES....	47	5	11	11	14	4	-	2	-
<u>PIEDMONT COUNTIES</u>									
Anson.....	5	-	1	-	2	-	-	1	1
Montgomery.....	52	-	10	10	13	7	7	4	1
Moore.....	20	-	-	-	6	9	2	3	-
Richmond.....	10	-	-	-	2	2	5	-	1
Other Piedmont Counties....	44	9	13	12	5	4	1	-	-
TOTAL PIEDMONT COUNTIES....	131	9	24	22	28	22	15	8	3
ALL COASTAL PLAINS COUNTIES	41	2	11	16	9	2	1	-	-
STATE TOTAL.....	219	16	46	49	51	28	16	10	3

⌋ A commercial orchard is defined as an orchard with 100 or more trees maintained for production of peaches.

COMMERCIAL PEACH ORCHARDS: NUMBER OF TREES, BY AGE AND COUNTIES, 1964, NORTH CAROLINA

COUNTIES AND AREAS	1 Year Old	2 To 3 Years Old	4 To 5 Years Old	6 To 10 Years Old	11 To 15 Years Old	16 Years and Over	Total All Ages ⌋
	1964	1962-63	1960-61	1959-55	1954-50	1939 & Earlier	
<u>MOUNTAIN COUNTIES</u>							
Polk.....	900	2,600	2,100	10,000	10,900	2,400	28,900
Rutherford.....	300	1,600	9,020	26,090	3,400	-	40,410
Other Mountain Counties....	700	100	900	4,550	125	400	6,775
TOTAL MOUNTAIN COUNTIES....	1,900	4,300	12,020	40,640	14,425	2,800	76,085
<u>PIEDMONT COUNTIES</u>							
Anson.....	9,720	3,500	18,200	8,270	8,875	3,150	51,715
Montgomery.....	10,286	9,647	26,858	75,295	49,188	6,677	177,951
Moore.....	8,200	5,200	13,000	64,950	1,150	1,300	93,800
Richmond.....	9,900	11,000	5,940	52,000	7,900	5,700	92,440
Other Piedmont Counties....	2,671	4,369	7,267	13,238	8,001	3,011	38,557
TOTAL PIEDMONT COUNTIES....	40,777	33,716	71,265	213,753	75,114	19,838	454,463
ALL COASTAL PLAINS COUNTIES	7,345	3,768	7,398	20,896	2,045	700	42,152
STATE TOTAL.....	50,022	41,784	90,683	275,289	91,584	23,338	572,700

⌋ A commercial orchard is defined as an orchard with 100 or more trees maintained for production of peaches.

COMMERCIAL PEACH ORCHARDS: NUMBER OF TREES BY AGE AND VARIETIES, 1964, NORTH CAROLINA

VARIETIES	1 Year Old	2 To 3 Years Old	4 To 5 Years Old	6 To 10 Years Old	11 To 15 Years Old	16 Years and Over	Total All Ages	Total Trees Of Bearing Age
	1964	1962-63	1960-61	1955-59	1950-54	1949 & Earlier		
Elberta Regular...	1,402	2,831	7,287	26,052	17,430	13,996	68,998	64,765
Blake.....	7,157	10,166	11,192	10,204	4,853	328	43,900	26,587
Cardinal.....	200	145	2,200	29,494	5,828	-	37,867	37,522
Red Haven.....	2,990	569	14,302	15,247	2,047	350	35,505	31,946
Southland.....	375	344	2,360	25,004	7,303	-	35,386	34,667
Dixired.....	289	50	1,925	21,840	7,279	2,132	33,515	33,176
Sunhigh.....	475	5,100	7,423	11,430	3,950	1,575	29,953	24,378
Georgia Belle.....	1,490	2,065	3,127	17,533	2,330	2,391	28,936	25,381
Key Stone.....	225	150	2,600	24,512	1,173	-	28,660	28,285
Coronet.....	520	-	2,299	24,197	1,545	-	28,561	28,041
Sullivan Elberta..	182	110	1,912	18,238	7,792	100	28,334	28,042
Redskin.....	8,744	926	5,396	5,962	330	-	21,358	11,688
Loring.....	7,730	7,052	3,198	859	-	-	18,839	4,057
Red Globe.....	4,000	-	7,879	3,752	-	-	15,631	11,631
Richaven.....	-	2,096	5,217	5,451	-	-	12,764	10,668
Triogem.....	10	-	-	5,272	7,125	-	12,407	12,397
Dixigem.....	34	-	190	2,630	6,730	1,259	10,843	10,809
Other.....	14,199	10,180	12,176	27,812	15,669	1,207	81,243	56,854
TOTAL ALL.....	50,022	41,784	90,683	275,489	91,384	23,338	572,700	480,894

COMMERCIAL PEACH ORCHARDS: PERCENTAGE OF TREES, BY AGE AND VARIETIES, 1964, NORTH CAROLINA

VARIETIES	1 Year Old	2 To 3 Years Old	4 To 5 Years Old	6 To 10 Years Old	11 To 15 Years Old	16 Years and Over	Total All Ages	Variety Percent Of State Total	Percent Of Trees Of Bearing Age
	1964	1962-63	1960-61	1955-59	1950-54	1949 & Earlier			
Elberta Regular...	2.0	4.1	10.6	37.7	25.3	20.3	68,998	12.0	93.9
Blake.....	16.3	23.2	25.5	23.2	11.1	.7	43,900	7.7	60.6
Cardinal.....	.5	.4	5.8	77.9	15.4	-	37,867	6.6	99.1
Red Haven.....	8.4	1.6	40.3	42.9	5.8	1.0	35,505	6.2	90.0
Southland.....	1.0	1.0	6.7	70.7	20.6	-	35,386	6.2	98.0
Dixired.....	.9	.1	5.7	65.2	21.7	6.4	33,515	5.9	99.0
Sunhigh.....	1.6	17.0	24.8	38.2	13.2	5.2	29,953	5.2	81.4
Georgia Belle.....	5.1	7.1	10.8	60.6	8.1	8.3	28,936	5.1	87.7
Key Stone.....	.8	.5	9.1	85.5	4.1	-	28,660	5.0	98.7
Coronet.....	1.8	-	8.1	84.7	5.4	-	28,561	5.0	98.2
Sullivan Elberta..	.6	.4	6.7	64.4	27.5	.4	28,334	4.9	99.0
Redskin.....	41.0	4.3	25.3	27.9	1.5	-	21,358	3.7	54.7
Loring.....	41.0	37.4	17.0	4.6	-	-	18,839	3.3	21.5
Red Globe.....	25.6	-	50.4	24.0	-	-	15,631	2.7	74.4
Richaven.....	-	16.4	40.9	42.7	-	-	12,764	2.2	83.6
Triogem.....	.1	-	-	42.5	57.4	-	12,407	2.2	99.9
Dixigem.....	.3	-	1.7	24.3	62.1	11.6	10,843	1.9	99.7
Other.....	17.5	12.5	15.0	34.2	19.3	1.5	81,243	14.2	70.0
TOTAL ALL.....	8.7	7.3	15.8	48.1	16.0	4.1	572,700	100.0	84.0

COMMERCIAL PEACH ORCHARDS: SIZE GROUPS, NUMBERS, TREES AND PRODUCTION, 1964, NORTH CAROLINA

Orchard Size Groups	Number Of Orchards	Percentage Of Total Orchards	Number Of Trees	Percentage Of Total Trees	Production Number Of Bushels	Percentage Of Total Production
100 to 199.....	16	7.3	2,138	.4	560	.5
200 to 499.....	46	21.0	15,544	2.7	2,539	2.0
500 to 999.....	49	22.4	34,277	6.0	7,077	5.7
1000 to 2499...	51	23.3	75,821	13.2	14,510	11.7
2500 to 4999..	28	12.8	89,700	15.6	13,078	10.5
5000 to 9999...	16	7.3	113,770	19.9	27,928	22.5
10000 to 19999.	10	4.6	135,650	23.7	35,214	28.3
20,000 +.....	3	1.3	105,800	18.5	23,350	18.8
TOTAL.....	219	100.0	572,700	100.0	124,256	100.0

COMMERCIAL PEACH ORCHARDS: OTHER MINOR VARIETIES, 1964, NORTH CAROLINA

Variety	Number Of Trees	Variety	Number Of Trees
Red Globe.....	15,631	J. H. Hale.....	5,404
Richhaven.....	12,764	Jefferson.....	4,533
Triogem.....	12,407	Hale Harrison.....	3,698
Jerseyland.....	9,198	Golden Jubilee.....	2,947
Ranger.....	8,889	Sunhaven.....	2,939
Misc. Elberta's	8,190	Early Red Free.....	2,084
Rio-OSA-Gem....	6,477	Shipper's Late Red.	1,570
Halehaven.....	6,071	Redwin.....	1,062
TOTAL TREES..... 103,864			

In addition to the seventeen varieties listed on the schedule, space was provided for the grower to list any other variety grown. Growers reported about fifty other named varieties along with some unknown varieties. The number of trees reported in other varieties and unknown was 89,433. They are all shown as "Other Varieties" in the State and County tables.

The sixteen most important minor varieties written in on the schedule by the growers are listed in the above table along with the number of trees for each variety. The total number of trees reported for these sixteen varieties was 103,864. Red Globe, Richhaven, and Triogem were the three most important varieties in

this group.

In addition to these minor varieties there were thirty seven other minor varieties listed with even smaller numbers of trees. This group of varieties had a total of 8,292 trees. Some of the more important varieties were Afterglow, Fairhaven, Highland, Lizzie, Duke of Georgia, Brackett, Golden East, Clings, Hiley Belle, New Day, Honeydew Hale, and Summer Crest.

There were 6,200 trees reported for which the growers did not know the variety name. These unknown varieties ranged in age from one year to over sixteen years.

COMMERCIAL APPLE PRODUCTION, PRICE AND VALUE, 1934-1965, NORTH CAROLINA

YEAR	PRODUCTION (000) Bushels	PRICE PER BUSHEL Dollars	TOTAL (000) Dollars	YEAR	PRODUCTION (000) Bushels	PRICE PER BUSHEL Dollars	TOTAL (000) Dollars
1934	772	.86	664	1950	1,856	1.70	3,155
1935	1,018	.75	764	1951	1,240	1.75	2,170
1936	710	.98	696	1952	1,960	2.15	4,214
1937	1,840	.63	1,049	1953	800	2.50	2,000
1938	738	.79	583	1954	1,700	1.90	3,230
1939	1,331	.72	872	1955	40	2.65	106
1940	1,081	.75	767	1956	1,750	2.05	3,588
1941	1,498	.77	1,153	1957	1,650	1.95	3,218
1942	1,008	1.02	1,028	1958	2,200	1.55	3,410
1943	391	2.17	848	1959	1,700	1.90	3,230
1944	1,320	1.61	2,040	1960	2,500	2.35	5,875
1945	202	2.77	560	1961	2,300	2.05	4,715
1946	1,404	2.25	3,159	1962	2,700	2.05	5,535
1947	940	2.20	2,068	1963	2,600	2.20	5,720
1948	1,540	2.00	3,080	1964	2,400	2.05	4,869
1949	744	1.95	1,451	1965	4,200	1.70	6,656

COMMERCIAL PEACH PRODUCTION, PRICE AND VALUE, 1899-1965, NORTH CAROLINA

YEAR	PRODUCTION (000) Bushels	PRICE PER BUSHEL Dollars	TOTAL (000) Dollars	YEAR	PRODUCTION (000) Bushels	PRICE PER BUSHEL Dollars	TOTAL (000) Dollars
1899	374	-	-	1933	2,080	.90	1,872
1900	1,550	-	-	1934	2,116	1.20	2,539
1901	1,150	-	-	1935	1,962	1.05	2,060
1902	1,050	-	-	1936	1,558	1.60	2,493
1903	1,100	-	-	1937	2,016	1.60	3,226
1904	1,350	-	-	1938	2,176	1.05	2,167
1905	1,200	-	-	1939	1,516	1.30	1,971
1906	1,100	-	-	1940	1,690	1.15	1,944
1907	550	-	-	1941	3,167	.67	1,921
1908	1,400	-	-	1942	2,463	1.40	3,448
1909	1,344	1.40	1,882	1943	252	4.90	1,235
1910	1,955	1.00	1,955	1944	2,698	2.50	6,745
1911	437	1.60	699	1945	2,084	2.35	4,897
1912	2,057	.95	1,954	1946	2,884	2.30	6,633
1913	569	1.40	797	1947	2,570	1.45	3,726
1914	1,701	1.20	2,041	1948	1,355	2.65	3,591
1915	1,683	1.10	1,851	1949	870	2.70	2,349
1916	725	1.30	942	1950	324	4.45	1,442
1917	1,172	1.55	1,817	1951	1,700	1.85	3,145
1918	738	1.90	1,402	1952	1,600	1.95	3,120
1919	479	2.55	1,221	1953	1,100	2.05	2,255
1920	1,212	2.45	2,969	1954	1,100	2.90	3,190
1921	596	2.60	1,550	1955	Too Small To Estimate		
1922	1,580	1.95	3,081	1956	950	2.85	2,708
1923	529	2.55	1,349	1957	1,500	2.65	3,975
1924	2,304	1.45	3,341	1958	1,350	2.00	2,700
1925	1,393	1.80	2,507	1959	1,100	2.35	2,585
1926	1,995	1.05	2,095	1960	1,300	2.30	2,990
1927	1,032	2.15	2,219	1961	1,500	1.95	2,730
1928	2,100	1.20	2,520	1962	1,400	2.06	2,884
1929	1,326	2.10	2,785	1963	1,500	2.51	3,765
1930	1,512	1.80	2,722	1964	250	4.60	1,150
1931	2,944	.70	2,061	1965	1,500	2.07	2,608
1932	1,504	1.10	1,654				

SOUTH CAROLINA

COMMERCIAL PEACH ORCHARDS: NUMBER OF TREES BY AGE AND VARIETIES, 1964

VARIETIES	1 Year Old	2 Years Old	3 Years Old	4 Years Old	5 To 9 Years Old	10 To 14 Years Old	15 Years and Over	Total All Ages	Total Trees Of Bearing Age	Percent Of Trees Of Bearing Age
	1963	1962	1961	1960	1955-59	1950-54	1949 & Earlier		Set In 1960 & Earlier	
Cardinal.....	1,750	-	303	7,005	139,471	14,427	885	163,841	161,788	4.8
Dixired.....	50	40	275	7,547	148,504	49,766	20	206,202	205,837	6.2
Sunhaven.....	1,100	1,100	6,160	7,180	47,720	7,500	-	70,760	62,400	1.9
Coronet.....	4,600	1,750	6,995	15,118	190,027	15,991	600	235,081	221,736	6.6
Dixigem.....	75	-	225	1,605	21,240	12,987	23,770	59,902	59,602	1.8
Jerseyland.....	50	-	200	2,525	67,130	17,225	-	87,130	86,880	2.6
Redhaven.....	490	12,606	8,762	15,505	136,087	23,962	3,950	201,362	179,504	5.4
Ranger.....	8,825	7,050	7,580	16,336	33,736	-	-	73,527	50,072	1.5
Keystone.....	125	100	3,760	7,950	226,470	24,550	600	263,555	259,570	7.8
Triogem.....	3,475	300	6,017	5,402	52,704	22,280	100	90,278	80,486	2.4
Early Elberta.....	200	-	100	1,945	33,250	10,230	3,235	48,960	48,660	1.4
Southland.....	400	400	1,565	13,705	193,627	51,890	2,960	264,547	262,182	7.8
Halehaven.....	50	-	1,050	3,995	40,179	17,210	4,410	66,894	65,794	2.0
Sunhigh.....	8,675	11,450	7,525	13,015	78,724	27,039	4,000	150,428	122,778	3.7
Richaven.....	300	13,740	7,062	27,950	75,229	-	2,500	126,781	105,679	3.2
Loring.....	53,571	23,065	18,575	20,320	13,225	220	-	128,976	33,765	1.0
Sullivan Elberta...	1,650	1,000	1,850	7,302	101,602	77,670	24,635	215,709	211,209	6.3
Blake.....	31,725	39,410	24,757	23,700	91,072	13,305	2,350	226,319	130,427	3.9
Elberta.....	10,280	6,300	6,430	12,830	139,547	141,302	83,377	400,066	377,056	11.3
Redskin.....	6,095	7,300	16,683	35,820	85,840	13,419	1,450	166,607	136,529	4.1
Other.....	65,617	44,335	51,931	80,081	292,482	80,536	26,486	641,468	479,585	14.3
TOTAL ALL.....	199,103	169,946	177,805	326,836	2,207,866	621,509	185,328	3,888,393	3,341,539	100.0
Percent.....	5.1	4.4	4.6	8.4	56.8	16.0	4.7	100.0	85.9	-

COMMERCIAL PEACH ORCHARDS: ACRES AND TREES PER ACRE, 1964

AREA	ACREAGE MAINTAINED FOR PRODUCTION	TOTAL TREES	TREES PER ACRE
Piedmont.....	25,913	2,500,962	96.5
Ridge.....	6,467	607,830	94.0
Sandhills.....	3,352	309,541	92.3
Coastal Plains..	4,926	470,060	95.4
STATE.....	40,658	3,888,393	95.6

VIRGINIA

COMMERCIAL APPLE AND PEACH ORCHARDS: NUMBER OF TREES BY AGES AND VARIETIES, 1963

VARIETIES	NUMBER OF APPLE TREES REMAINING WHICH WERE SET OUT IN						Total All Ages
	1 To 3 Years Old	4 To 7 Years Old	8 To 13 Years Old	14 To 23 Years Old	24 To 33 Years Old	34 Years and Over	
	1960-62	1956-59	1950-55	1940-49	1930-39	1929 & Earlier	
<u>SUMMER</u>							
Rambo.....	2,347	2,598	3,849	2,382	1,498	931	13,605
Lodi.....	3,142	2,048	3,029	562	12	4	8,797
Williams Early Red.....	797	664	1,731	1,267	519	627	5,605
Yellow Transparent.....	121	140	233	964	580	685	2,723
Wealthy.....	209	210	802	2,467	2	35	3,725
Other.....	1,513	535	334	494	353	764	3,993
TOTAL SUMMER.....	8,129	6,195	9,978	8,136	2,964	3,046	38,448
<u>FALL</u>							
Bonum.....	225	39	219	1,451	2,279	2,881	7,094
Grimes Golden.....	1,208	2,397	3,831	5,187	4,224	8,771	25,618
Jonathan, Red Strains.....	3,271	6,001	5,772	4,904	7,983	300	28,231
Jonathan, Regular.....	350	76	678	1,483	6,433	6,019	15,039
Jonathan, Total.....	3,621	6,077	6,450	6,387	14,416	6,319	43,270
N. W. Greening.....	614	2,409	1,827	1,299	5,957	1,256	13,362
McIntosh.....	791	507	312	156	660	2,205	4,631
Cortland.....	10	123	100	20	15	302	570
Other.....	309	124	585	828	164	245	2,255
TOTAL FALL.....	6,778	11,676	13,324	15,328	27,715	21,979	96,800
<u>WINTER</u>							
Albermarle Pippin.....	7	2	15	3,342	2,209	8,193	13,768
Black Ben, Ben Davis, Gano....	314	311	380	673	2,344	3,710	7,732
Delicious, Spur Type.....	66,728	31,651	934	683	640	-	100,636
Delicious, Other Red Strains..	54,423	73,868	63,412	81,978	43,024	12,990	329,695
Delicious, Regular.....	1,418	1,284	3,484	7,903	22,481	28,073	64,643
Delicious, Total.....	122,569	106,803	67,830	90,564	66,145	41,063	494,974
Golden Delicious.....	41,865	44,989	40,455	42,926	21,636	9,725	201,596
Rome Beauty, Red Strains.....	6,622	9,626	27,113	11,586	11,855	516	67,318
Rome Beauty, Regular.....	271	115	1,450	2,358	3,839	2,427	10,460
Rome Beauty, Total.....	6,893	9,741	28,563	13,944	15,694	2,943	77,778
Stayman, Red Strains.....	5,595	10,396	22,748	60,408	27,374	4,148	130,669
Stayman, Regular.....	344	1,468	1,601	12,059	15,585	38,866	69,923
Stayman, Total.....	5,939	11,864	24,349	72,467	42,959	43,014	200,592
Winesap.....	11,715	17,054	10,100	20,489	35,931	71,010	166,299
York, Red Strains.....	12,905	28,884	48,200	42,874	21,756	3,021	157,640
York, Regular.....	2,672	2,133	10,293	19,041	64,574	92,690	191,403
York, Total.....	15,577	31,017	58,493	61,915	86,330	95,711	349,043
Black Twig.....	375	232	1,083	1,354	1,073	8,251	12,368
Lowry.....	45	146	95	1,623	3,843	1,281	7,033
Other.....	885	1,288	3,209	890	1,954	1,161	9,387
TOTAL WINTER.....	206,184	223,426	234,572	310,187	280,118	286,062	1,540,570
TOTAL ALL VARIETIES.....	221,091	241,318	257,874	333,651	310,797	311,087	1,675,818

VARIETIES	NUMBER OF PEACH TREES REMAINING WHICH WERE SET OUT IN					Total All Ages
	3 Years or Less	4 To 8 Years Old	9 To 13 Years Old	14 To 18 Years Old	19 Years and Over	
	1960-62	1955-59	1950-54	1945-49	1944 & Earlier	
Ambergem.....	6,315	2,355	3,494	21,090	3,500	36,754
Blake.....	14,666	536	90	-	70	15,362
Belle of Georgia.....	3,599	6,946	3,988	5,811	3,311	23,655
Dixired.....	909	2,456	886	360	3,946	8,557
Elberta.....	7,446	18,603	33,601	66,072	66,962	192,684
Early Elberta (All strains)...	1,801	7,961	2,451	4,420	1,319	17,952
Early Red Freestone.....	1,386	3,457	3,856	865	60	9,624
Golden Jubilee.....	646	2,287	2,970	2,160	2,948	11,011
J. H. Hale.....	5,301	5,326	2,897	3,455	4,637	21,616
Jerseyland.....	885	1,512	631	640	50	3,718
Halehaven.....	996	7,886	7,479	3,435	877	20,673
Redhaven.....	8,247	22,304	6,664	3,643	281	41,139
Redskin.....	6,169	1,078	845	-	-	8,092
Redwin.....	2,379	2,155	75	100	-	4,709
Rio Oso Gem.....	8,047	2,525	2,024	714	54	13,364
Southland.....	385	409	331	517	100	1,742
Sunhigh.....	17,345	24,335	4,256	200	230	46,366
Shippers' Late Red.....	1,009	3,448	1,864	2,327	745	9,393
Bracket.....	82	228	621	601	397	1,929
Hale Harrison Brilliant.....	2,520	4,689	5,117	332	5	12,663
Jefferson.....	1,646	-	70	-	-	1,716
Sunhaven.....	1,632	1,370	25	100	30	3,157
Washington.....	5,739	112	-	-	-	5,851
Others.....	13,767	11,211	4,150	4,788	1,543	35,459
TOTAL ALL VARIETIES.....	112,917	133,189	88,630	121,630	91,065	547,431

GEORGIA

COMMERCIAL PEACH ORCHARDS: NUMBER OF TREES BY AGE AND VARIETIES, 1965

VARIETIES	Number Of Growers By Varieties 1/	TREES BY AGE				
		Under 3 Years Old	3 To 5 Years Old	6 To 8 Years Old	9 Years and Over	Total All Ages
		1964-65	1961-63	1958-60	1957 & Earlier	
Advance.....	6	7,000	4,000	7,000	-	18,000
Blake.....	16	23,000	33,000	13,000	-	69,000
Cardinal.....	60	12,000	15,000	62,000	58,000	147,000
Coronet.....	101	10,000	44,000	54,000	152,000	260,000
Dixigem.....	13	-	-	8,000	8,000	16,000
Dixiland.....	11	23,000	17,000	6,000	-	46,000
Dixired.....	39	-	-	15,000	59,000	74,000
Elberta.....	100	29,000	38,000	63,000	95,000	225,000
Elberta (other).....	24	8,000	8,000	2,000	30,000	48,000
Sullivan Elberta.....	76	9,000	23,000	34,000	106,000	172,000
Hiland.....	31	-	10,000	21,000	54,000	85,000
Jerseyland (Beauty Gem).....	8	7,000	4,000	8,000	4,000	23,000
Keystone.....	80	10,000	36,000	42,000	133,000	221,000
Loring.....	52	28,000	63,000	42,000	-	133,000
Marcus.....	10	-	13,000	6,000	-	19,000
Maygold.....	70	56,000	101,000	66,000	42,000	265,000
Ranger.....	14	7,000	6,000	7,000	2,000	22,000
Redcap.....	58	13,000	3,000	41,000	100,000	157,000
Redglobe.....	23	21,000	50,000	2,000	-	73,000
Redskin.....	33	14,000	30,000	28,000	24,000	96,000
Rio Oso Gem.....	23	2,000	8,000	18,000	-	28,000
Shephard Beauty.....	6	-	31,000	-	8,000	39,000
Southland.....	63	6,000	51,000	45,000	70,000	172,000
Sunhigh.....	13	-	13,000	8,000	8,000	29,000
Suwanee.....	21	36,000	14,000	7,000	4,000	61,000
Other 2/.....	-	41,000	65,000	54,000	43,000	203,000
TOTAL ALL.....	-	362,000	680,000	659,000	1,000,000	2,701,000

1/ The number of growers for a given variety may exceed the actual number because a few had farms in more than one county. 2/ Includes numerous varieties of which there were less than 15,000 trees of all ages and numerous varieties of which there were less than five growers per variety.

APPLE TREES AND 1964 PRODUCTION BY VARIETY

(Do not include trees in abandoned orchards)

TREES ON STANDARD ROOTSTOCK (Report Trees On Dwarfing Rootstock Separately In Question 6 Below)	NUMBER OF TREES ON STANDARD ROOTSTOCK MAINTAINED FOR PRODUCTION ACCORDING TO YEAR SET OUT							Quantity Harvested In 1964 (Include Drops Picked Up) <i>Bushe ls</i>	Trees On Standard Rootstock Set and To Be Set In 1965 <i>Number</i>	Trees On Standard Rootstock Removed & To Be Removed In 1965 Prior To 1965 Harvest <i>Number</i>																																																																																																																																
	1964 1 Yr. <i>Number</i>	1962-63 2-3 Yr. <i>Number</i>	1960-61 4-5 Yr. <i>Number</i>	1958-59 6-7 Yr. <i>Number</i>	1950-57 8-15 Yr. <i>Number</i>	1940-49 16-25 Yr. <i>Number</i>	1939 and Earlier 26 Yrs. & over <i>Number</i>				Total Trees Of All Ages (Col. A thru G) <i>Number</i>																																																																																																																															
	A	B	C	D	E	F	G																																																																																																																																			
Yellow Transparent Lodi Williams Early Red Red June Summer Champion Horse Bonum Hoover Wolf River Grimes, Golden Jonathan, Red Strains Jonathan, Regular Red Gold Delicious, Starkrimson (Spur) Delicious, Other Spur Types Delicious, Other Red Strains Delicious, Other Red Strains Delicious, Regular Yellow Delicious, Spur Types Yellow Delicious, Regular Stayman, Red Strains Stayman, Regular Turley York, Red Strain York, Regular Winesap King Luscious Rome Beauty, Red Strains Rome Beauty, Regular Ben Davis-Black Ben-Gano Black Twig Limbertwig Other (<i>Specify</i>)	<table border="1"> <thead> <tr> <th rowspan="3">TREES ON DWARFING ROOTSTOCK (EM IX; EM VII, MM 106, etc.)</th> <th colspan="6">NUMBER OF TREES ON DWARFING ROOTSTOCK MAINTAINED FOR PRODUCTION ACCORDING TO YEAR SET OUT</th> <th rowspan="3">Quantity Harvested In 1964 (Include Drops Picked Up) <i>Bushe ls</i></th> <th rowspan="3">Trees On Dwarfing Rootstock Set and To Be Set In 1965 <i>Number</i></th> </tr> <tr> <th>1964 1 Yr. <i>Number</i></th> <th>1962-63 2-3 Yr. <i>Number</i></th> <th>1960-61 4-5 Yr. <i>Number</i></th> <th>1958-59 6-7 Yr. <i>Number</i></th> <th>1957 and Earlier 8 Years & Over <i>Number</i></th> <th>Total Trees Of All Ages (Col. A thru E) <i>Number</i></th> </tr> <tr> <th>A</th> <th>B</th> <th>C</th> <th>D</th> <th>E</th> <th></th> </tr> </thead> <tbody> <tr> <td>Delicious, Starkrimson (Spur)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Delicious, Other Spur Types</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Delicious, Other Red Strains</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Yellow Delicious, Spur Types</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Yellow Delicious, Regular</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Jonathan</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Stayman</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>York</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Winesap</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Rome Beauty</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Other (<i>Specify</i>)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="8">TOTAL PRODUCTION FROM ALL VARIETIES ON DWARFING ROOTSTOCK.....</td> <td><i>Bushe l</i></td> </tr> </tbody> </table>							TREES ON DWARFING ROOTSTOCK (EM IX; EM VII, MM 106, etc.)	NUMBER OF TREES ON DWARFING ROOTSTOCK MAINTAINED FOR PRODUCTION ACCORDING TO YEAR SET OUT						Quantity Harvested In 1964 (Include Drops Picked Up) <i>Bushe ls</i>	Trees On Dwarfing Rootstock Set and To Be Set In 1965 <i>Number</i>	1964 1 Yr. <i>Number</i>	1962-63 2-3 Yr. <i>Number</i>	1960-61 4-5 Yr. <i>Number</i>	1958-59 6-7 Yr. <i>Number</i>	1957 and Earlier 8 Years & Over <i>Number</i>	Total Trees Of All Ages (Col. A thru E) <i>Number</i>	A	B	C	D	E		Delicious, Starkrimson (Spur)									Delicious, Other Spur Types									Delicious, Other Red Strains									Yellow Delicious, Spur Types									Yellow Delicious, Regular									Jonathan									Stayman									York									Winesap									Rome Beauty									Other (<i>Specify</i>)									TOTAL PRODUCTION FROM ALL VARIETIES ON DWARFING ROOTSTOCK.....								<i>Bushe l</i>		
TREES ON DWARFING ROOTSTOCK (EM IX; EM VII, MM 106, etc.)	NUMBER OF TREES ON DWARFING ROOTSTOCK MAINTAINED FOR PRODUCTION ACCORDING TO YEAR SET OUT						Quantity Harvested In 1964 (Include Drops Picked Up) <i>Bushe ls</i>		Trees On Dwarfing Rootstock Set and To Be Set In 1965 <i>Number</i>																																																																																																																																	
	1964 1 Yr. <i>Number</i>	1962-63 2-3 Yr. <i>Number</i>	1960-61 4-5 Yr. <i>Number</i>	1958-59 6-7 Yr. <i>Number</i>	1957 and Earlier 8 Years & Over <i>Number</i>	Total Trees Of All Ages (Col. A thru E) <i>Number</i>																																																																																																																																				
	A	B	C	D	E																																																																																																																																					
Delicious, Starkrimson (Spur)																																																																																																																																										
Delicious, Other Spur Types																																																																																																																																										
Delicious, Other Red Strains																																																																																																																																										
Yellow Delicious, Spur Types																																																																																																																																										
Yellow Delicious, Regular																																																																																																																																										
Jonathan																																																																																																																																										
Stayman																																																																																																																																										
York																																																																																																																																										
Winesap																																																																																																																																										
Rome Beauty																																																																																																																																										
Other (<i>Specify</i>)																																																																																																																																										
TOTAL PRODUCTION FROM ALL VARIETIES ON DWARFING ROOTSTOCK.....								<i>Bushe l</i>																																																																																																																																		
TOTAL PRODUCTION FROM ALL VARIETIES ON STANDARD ROOTSTOCK..... <i>Bushe l</i>																																																																																																																																										

NORTH CAROLINA PEACH TREE SURVEY - 1964

SPECIAL INSTRUCTIONS: Do not include acres or trees in mature standing orchards which are not being maintained for production and from which no peaches have been harvested during the past two seasons.

1. Peach acreage and number of trees by counties: (If you operate peach orchards in more than one county please show the acreage and number of trees separately for each county).

County _____ Acres in peaches _____ Total Number Trees of All Ages _____
 County _____ Acres in peaches _____ Total Number Trees of All Ages _____

2. Total production of peaches: 1964 _____ bushels. 1963 _____ bushels.

3. What is the net weight of the "bushel" as reported in item 2? _____ pounds.

4. Please supply the variety information requested below for peach trees reported in item 1.

VARIETIES	PEACH TREES MAINTAINED FOR PRODUCTION ACCORDING TO YEAR SET OUT							QUANTITY HARVESTED		INTENTIONS	
	Total Trees Of All Ages	1964 1-Yr.	1962 and 1963 2-3 Yrs.	1960 and 1961 4-5 Yrs.	1955-59 6-10 Yrs.	1950-54 11-15 Yrs.	1949 and Earlier 16 Yrs. and Older	This year 1964	Last Year 1963	Trees To Be Planted In 1965	Trees To Be Removed Prior To 1965 Harvest
								<i>Bushe ls</i>		<i>Number</i>	
Marcus											
Cardinal											
Dixired											
Dixigem											
Redhaven											
Coronet											
Southland											
Keystone											
Washington											
Sunhigh											
Loring											
Blake											
Sullivan Elberta											
Redskin											
Georgia Belle											
Elberta											
Dixieland											
Others (<i>Specify</i>)											
Unknown											

